

# FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO  
Bell Helicopter Textron Inc.

AUTHORIZING THE OPERATION OF  
Bell Helicopter Plant 5  
Bell Helicopter Textron Plant 5  
Aircraft

LOCATED AT  
Tarrant County, Texas  
Latitude 32° 46' 30" Longitude 97° 3' 35"  
Regulated Entity Number: RN102216819

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: 01630 Issuance Date: \_\_\_\_\_

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For the Commission

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## **General Terms and Conditions**

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

## **Special Terms and Conditions:**

### **Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting**

1. Permit holder shall comply with the following requirements:
  - A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.
  - B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.
  - C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

- D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.
  - E. Emission units subject to 40 CFR Part 63, Subparts T, GG, or DDDDD as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.250, 113.380, or 113.1130, respectively, which incorporates the 40 CFR Part 63 Subpart by reference.
2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):
- A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements
  - B. Title 30 TAC § 101.3 (relating to Circumvention)
  - C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ
  - D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ
  - E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)
  - F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)
  - G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)
  - H. Title 30 TAC § 101.221 (relating to Operational Requirements)
  - I. Title 30 TAC § 101.222 (relating to Demonstrations)
  - J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)
3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:
- A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1, shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:
    - (i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)
    - (ii) Title 30 TAC § 111.111(a)(1)(E)
    - (iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

- (iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:
- (1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.
  - (2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.
  - (3) Records of all observations shall be maintained.
  - (4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer’s eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

- (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).
- (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.
- (c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)
- (iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the

air emission source or enclosed facility is not operating for the entire quarter.

- (2) Records of all observations shall be maintained.
- (3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
- (4) Compliance Certification:
  - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)
  - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- C. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

- (i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)
- (ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)
- (iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO<sub>x</sub>, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:
  - (1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.
  - (2) Records of all observations shall be maintained.
  - (3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.
  - (4) Compliance Certification:
    - (a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)
    - (b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the



source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

- D. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:
  - (i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)
  - (ii) Sources with an effective stack height ( $h_e$ ) less than the standard effective stack height ( $H_e$ ), must reduce the allowable emission level by multiplying it by  $[h_e/H_e]^2$  as required in 30 TAC § 111.151(b)
  - (iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)
- 4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).
- 5. The permit holder shall comply with the following requirements of 30 TAC Chapter 117:
  - A. For stationary reciprocating engines exempt from Subchapter D, Division 2 at minor sources of NO<sub>x</sub> under 30 TAC § 117.2103, the permit holder shall comply with 30 TAC §§ 117.2130(c), 117.2135(e), and 117.2145(b) and (c).
- 6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:
  - A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)
  - B. Title 40 CFR § 60.8 (relating to Performance Tests)
  - C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)
  - D. Title 40 CFR § 60.12 (relating to Circumvention)
  - E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)
  - F. Title 40 CFR § 60.14 (relating to Modification)
  - G. Title 40 CFR § 60.15 (relating to Reconstruction)
  - H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.
8. For halogenated solvent cleaning specified in 40 CFR Part 63, Subpart T, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.250 incorporated by reference):
  - A. Title 40 CFR § 63.460(b) (relating to Applicability and Designation of Source)
  - B. Title 40 CFR § 63.471(a) (relating to Facility-wide Standards)
  - C. Title 40 CFR § 63.471(b)(1) (relating to Facility-wide Standards), for recordkeeping of solvent additions and deletions
  - D. Title 40 CFR § 63.471(b)(2) (relating to Facility-wide Standards), for emission limits in Table 1 of § 63.471
  - E. Title 40 CFR § 63.471(c), and (c)(1) - (5) (relating to Facility-wide Standards), for demonstration of compliance with the facility-wide emission limit
  - F. Title 40 CFR § 63.471(e) (relating to Facility-wide Standards), for maintenance of records
  - G. Title 40 CFR § 63.471(f), (g), and (h) (relating to Facility-wide Standards), for notification and reporting requirements
9. For sources subject to emission standards in 40 CFR Part 63, Subpart GG, the permit holder shall comply with the requirements below (Title 30 TAC Chapter 113, Subchapter C, § 113.380 incorporated by reference):
  - A. Title 40 CFR § 63.748 (relating to Standards: Handling and Storage of Waste)
  - B. Title 40 CFR § 63.749(a) (relating to Compliance Dates and Determinations)
10. For wood furniture manufacturing operations specified in 40 CFR Part 63, Subpart JJ, the permit holder shall comply with the following requirements (Title 30 TAC Chapter 113, Subchapter C, § 113.410 incorporated by reference):
  - A. Title 40 CFR § 63.800(a) (relating to Applicability), for recordkeeping requirements for an incidental wood furniture manufacturer
11. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

### **Additional Monitoring Requirements**

12. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

### **New Source Review Authorization Requirements**

13. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:
  - A. Are incorporated by reference into this permit as applicable requirements
  - B. Shall be located with this operating permit
  - C. Are not eligible for a permit shield
14. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.
15. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

## Compliance Requirements

16. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.
17. Use of Emission Credits to comply with applicable requirements:
  - A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) Offsets for Title 30 TAC Chapter 116
  - B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:
    - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)
    - (ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1
    - (iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)
    - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122
    - (v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)
18. Use of Discrete Emission Credits to comply with the applicable requirements:
  - A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:
    - (i) Title 30 TAC Chapter 115
    - (ii) Title 30 TAC Chapter 117
    - (iii) If applicable, offsets for Title 30 TAC Chapter 116

- (iv) Temporarily exceed state NSR permit allowables
- B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:
  - (i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)
  - (ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4
  - (iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)
  - (iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122
  - (v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

### **Protection of Stratospheric Ozone**

- 19. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:
  - A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.
  - B. The permit holder shall comply with 40 CFR Part 82, Subpart F related to the disposal requirements for appliances using Class I or Class II (ozone-depleting) substances or non-exempt substitutes as specified in 40 CFR §§ 82.150 - 82.166 and the applicable Part 82 Appendices.

### **Alternative Requirements**

- 20. The permit holder shall comply with the approved alternative means of control (AMOC); alternative monitoring, recordkeeping, or reporting requirements; or requirements determined to be equivalent to an otherwise applicable requirement contained in the Alternative Requirements attachment of this permit. Units complying with an approved alternative requirement have reference to the approval in the Applicable Requirements summary listing for the unit. The permit holder shall maintain the original documentation, from the TCEQ Executive Director, demonstrating the method or limitation utilized. Documentation shall be maintained and made available in accordance with 30 TAC § 122.144.

**Permit Location**

21. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

**Permit Shield (30 TAC § 122.148)**

22. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

## **Attachments**

**Applicable Requirements Summary**

**Additional Monitoring Requirements**

**Permit Shield**

**New Source Review Authorization References**

**Alternative Requirement**

### **Applicable Requirements Summary**

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Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
12	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
13	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
134	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
21	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
23	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc.40c	40 CFR Part 60, Subpart Dc	No changing attributes.
23	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
24	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	60Dc.40c	40 CFR Part 60, Subpart Dc	No changing attributes.
24	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	N/A	63DDDDDD	40 CFR Part 63, Subpart DDDDD	No changing attributes.
26	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
26	STORAGE	N/A	R5112	30 TAC Chapter 115,	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	TANKS/VESSELS			Storage of VOCs	
4-D10	SOLVENT DEGREASING MACHINES	N/A	63T	40 CFR Part 63, Subpart T	No changing attributes.
4-D11	SOLVENT DEGREASING MACHINES	N/A	63T	40 CFR Part 63, Subpart T	No changing attributes.
4-D7	SOLVENT DEGREASING MACHINES	N/A	63T	40 CFR Part 63, Subpart T	No changing attributes.
4-D9	SOLVENT DEGREASING MACHINES	N/A	63T	40 CFR Part 63, Subpart T	No changing attributes.
5H	SURFACE COATING OPERATIONS	N/A	R5421-1	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Primer., Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750.
5H	SURFACE COATING OPERATIONS	N/A	R5421-2	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Topcoat., Comply with 40 CFR § 63.750 = The facility is complying with the test method requirements of 40 CFR § 63.750.
5H	SURFACE COATING OPERATIONS	N/A	R5421-3	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Specialty coatings., Comply with 40 CFR § 63.750 = The facility is not complying with the test method requirements of 40 CFR § 63.750.
5H	SURFACE COATING OPERATIONS	N/A	63GG-1	40 CFR Part 63, Subpart GG	Application Type = Primer application operation., Low HAP

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Content = The coating is a low HAP content primer., HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c)., VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e).
5H	SURFACE COATING OPERATIONS	N/A	63GG-2	40 CFR Part 63, Subpart GG	Application Type = Topcoat operation.
5H	CLEANING/DEPAINTING OPERATION	N/A	63GG-3G	40 CFR Part 63, Subpart GG	Affected Source = Spray gun cleaning operation., Cleaning of Spray Gun = The activity performed is the cleaning of spray gun equipment in accordance with 40 CFR § 63.744(c)(3)., Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5)., Enclosed System = The spray guns are not cleaned within an enclosed system., Non-

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					Atomized Cleaning = The spray guns are cleaned by non-atomized cleaning., Disassembled Spray Gun Cleaning = Spray guns are disassembled for cleaning., Atomized Cleaning = Atomized cleaning is not used for cleaning of spray guns., Semi-Aqueous or Table 1 = Not all cleaning solvents used are semi-aqueous or listed in Table 1.
5H	CLEANING/DEPAINTING OPERATION	N/A	63GG-3H	40 CFR Part 63, Subpart GG	Affected Source = All hand-wipe cleaning operations., Cleaning of Spray Gun = There is no cleaning of spray gun equipment or the cleaning is not done in accordance with 40 CFR § 63.744(c)(3).
5I	SURFACE COATING OPERATIONS	N/A	R5421-1	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Primer.
5I	SURFACE COATING OPERATIONS	N/A	R5421-2	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Topcoat.
5I	SURFACE COATING OPERATIONS	N/A	R5421-3	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Specialty coatings.
5I	SURFACE COATING OPERATIONS	N/A	63GG-1	40 CFR Part 63, Subpart GG	Application Type = Primer application operation., Low HAP Content = The coating is a low

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					HAP content primer., HAP Averaging = Mass of organic HAP emitted per volume of coating (less water) as applied is determined using procedures in § 63.750(c)., VOC Averaging = Mass of VOC emitted per volume of coating (less water and exempt solvents) as applied is determined using the procedures in § 63.750(e)., Chromium/Cadmium = The primer or topcoat contains chromium or cadmium.
5I	SURFACE COATING OPERATIONS	N/A	63GG-2	40 CFR Part 63, Subpart GG	Application Type = Topcoat operation., Chromium/Cadmium = The primer or topcoat does not contain chromium or cadmium.
5I	CLEANING/DEPAINTING OPERATION	N/A	63GG-3G	40 CFR Part 63, Subpart GG	Affected Source = Spray gun cleaning operation., Cleaning of Spray Gun = The activity performed is the cleaning of spray gun equipment in accordance with 40 CFR § 63.744(c)(3)., Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic system that can be programmed to spray into a closed container as

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					described in 40 CFR § 63.744(c)(5)., Enclosed System = The spray guns are not cleaned within an enclosed system., Non-Atomized Cleaning = The spray guns are cleaned by non-atomized cleaning., Disassembled Spray Gun Cleaning = Spray guns are disassembled for cleaning., Atomized Cleaning = Atomized cleaning is not used for cleaning of spray guns., Semi-Aqueous or Table 1 = Not all cleaning solvents used are semi-aqueous or listed in Table 1.
5I	CLEANING/DEPAINTING OPERATION	N/A	63GG-3H	40 CFR Part 63, Subpart GG	Affected Source = All hand-wipe cleaning operations., Cleaning of Spray Gun = There is no cleaning of spray gun equipment or the cleaning is not done in accordance with 40 CFR § 63.744(c)(3).
9116301	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
9116301	CLEANING/DEPAINTING OPERATION	N/A	63GG-3F	40 CFR Part 63, Subpart GG	No changing attributes.
99C3000	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
99C3000	CLEANING/DEPAINTING OPERATION	N/A	63GG-3F	40 CFR Part 63, Subpart GG	No changing attributes.
BETENGCL1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
CASCDECL2	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
CHEMLINES	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRP4D9	SOLVENT DEGREASING MACHINES	STEDEG, CD	R5412-9	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
NITETCH	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PATCHTST	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
PATCHTST	CLEANING/DEPAINTING OPERATION	N/A	63GG-4	40 CFR Part 63, Subpart GG	No changing attributes.
PRO-134	CLEANING/DEPAINTING OPERATION	N/A	63GG-3G	40 CFR Part 63, Subpart GG	No changing attributes.
PRO-5A	SURFACE COATING OPERATIONS	N/A	R5421-1	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Primer.
PRO-5A	SURFACE COATING	N/A	R5421-2	30 TAC Chapter 115,	Aerospace Coating Type =

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	OPERATIONS			Surface Coating Operations	Topcoat.
PRO-5A	SURFACE COATING OPERATIONS	N/A	63GG-1	40 CFR Part 63, Subpart GG	Application Type = Primer application operation., Low HAP Content = The coating is a low HAP content primer.
PRO-5A	SURFACE COATING OPERATIONS	N/A	63GG-2	40 CFR Part 63, Subpart GG	Application Type = Topcoat operation.
PRO-5A	CLEANING/DEPAINTING OPERATION	N/A	63GG-3G	40 CFR Part 63, Subpart GG	Affected Source = Spray gun cleaning operation., Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5)., Enclosed System = The spray guns are cleaned within an enclosed system., Non- Atomized Cleaning = The spray guns are cleaned by non- atomized cleaning., Disassembled Spray Gun Cleaning = Spray guns are disassembled for cleaning., Atomized Cleaning = Atomized cleaning is not used for cleaning of spray guns., Semi-Aqueous or Table 1 = Not all cleaning solvents used are semi-aqueous



### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					or listed in Table 1.
PRO-5A	CLEANING/DEPAINTING OPERATION	N/A	63GG-3H	40 CFR Part 63, Subpart GG	Affected Source = All hand-wipe cleaning operations., Cleaning of Spray Gun = There is no cleaning of spray gun equipment or the cleaning is not done in accordance with 40 CFR § 63.744(c)(3)., Exempt Operation = The cleaning operation is not exempt under 40 CFR § 63.744(e)(1)-(12).
PRO-5B	SURFACE COATING OPERATIONS	N/A	R5421-1	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Primer.
PRO-5B	SURFACE COATING OPERATIONS	N/A	R5421-2	30 TAC Chapter 115, Surface Coating Operations	Aerospace Coating Type = Topcoat.
PRO-5B	SURFACE COATING OPERATIONS	N/A	63GG-1	40 CFR Part 63, Subpart GG	Application Type = Primer application operation., Low HAP Content = The coating is a low HAP content primer.
PRO-5B	SURFACE COATING OPERATIONS	N/A	63GG-2	40 CFR Part 63, Subpart GG	Application Type = Topcoat operation.
PRO-5B	CLEANING/DEPAINTING OPERATION	N/A	63GG-3G	40 CFR Part 63, Subpart GG	Affected Source = Spray gun cleaning operation., Robotic System = Spray gun nozzle tips are not being cleaned from an automatic spray system or are being cleaned from an automatic spray system and is a robotic

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
					system that can be programmed to spray into a closed container as described in 40 CFR § 63.744(c)(5)., Enclosed System = The spray guns are cleaned within an enclosed system., Non-Atomized Cleaning = The spray guns are cleaned by non-atomized cleaning., Disassembled Spray Gun Cleaning = Spray guns are disassembled for cleaning., Atomized Cleaning = Atomized cleaning is not used for cleaning of spray guns., Semi-Aqueous or Table 1 = Not all cleaning solvents used are semi-aqueous or listed in Table 1.
PRO-5B	CLEANING/DEPAINTING OPERATION	N/A	63GG-3H	40 CFR Part 63, Subpart GG	Affected Source = All hand-wipe cleaning operations., Cleaning of Spray Gun = There is no cleaning of spray gun equipment or the cleaning is not done in accordance with 40 CFR § 63.744(c)(3)., Exempt Operation = The cleaning operation is not exempt under 40 CFR § 63.744(e)(1)-(12).
PRO-5C	SURFACE COATING OPERATIONS	N/A	R5421-3	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.
PRO-5E	CLEANING/DEPAINTING	N/A	63GG-3F	40 CFR Part 63, Subpart	No changing attributes.

### Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
	OPERATION			GG	
PRO-5G	SURFACE COATING OPERATIONS	N/A	R5421-3	30 TAC Chapter 115, Surface Coating Operations	No changing attributes.

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
12	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
13	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
134	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
21	EU	63DDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					specification requirements of 40 CFR Part 63, Subpart DDDDD		40 CFR Part 63, Subpart DDDDD	DDDDD	
23	EU	60Dc.40c	SO <sub>2</sub>	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
23	EU	60Dc.40c	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
23	EU	60Dc.40c	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
23	EU	63DDDDDD	112(B)	40 CFR Part 63,	§ 63.7505	The permit holder	The permit holder	The permit holder	The permit holder

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
			HAPS	Subpart DDDDD	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
24	EU	60Dc.40c	SO <sub>2</sub>	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
24	EU	60Dc.40c	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
24	EU	60Dc.40c	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						maximum design heat input capacity of 2.9-29 megawatts (MW).			
24	EU	63DDDDDD	112(B) HAPS	40 CFR Part 63, Subpart DDDDD	§ 63.7505 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart DDDDD	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart DDDDD
26	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
26	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.			
4-D10	EU	63T	HALOGENATED HAP SOLVENT	40 CFR Part 63, Subpart T	§ 63.463(a) § 63.463(a)(1)(i) § 63.463(a)(2) § 63.463(a)(3) § 63.463(a)(4) § 63.463(a)(5) § 63.463(a)(6) § 63.463(b)(2) § 63.463(b)(2)(ii) § 63.463(d)(1)(i) § 63.463(d)(10) § 63.463(d)(11) § 63.463(d)(12) § 63.463(d)(3) § 63.463(d)(4) § 63.463(d)(5) § 63.463(d)(6) § 63.463(d)(7) § 63.463(d)(8) § 63.463(d)(9) § 63.463(e)(2)(i) [G]§ 63.463(e)(2)(iii) [G]§ 63.463(e)(2)(iv) [G]§ 63.463(e)(2)(vi) [G]§ 63.463(e)(3) § 63.463(f)(3) § 63.463(f)(4)(i)	Batch vapor and in-line solvent cleaning machines shall conform to the design requirements in §63.463(a)(1)-(7).	[G]§ 63.463(f)(1) § 63.465(a) [G]§ 63.465(e) [G]§ 63.466(c) § 63.466(f) § 63.466(f)(1)	§ 63.467(a) § 63.467(a)(1) § 63.467(a)(2) § 63.467(a)(4) § 63.467(a)(5) § 63.467(b) § 63.467(b)(1) § 63.467(b)(2) § 63.467(b)(3)	[G]§ 63.468(b) § 63.468(d) § 63.468(d)(1) § 63.468(d)(2) § 63.468(d)(3) § 63.468(d)(4) [G]§ 63.468(d)(6) [G]§ 63.468(f) [G]§ 63.468(h) [G]§ 63.468(i)



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.463(f)(4)(ii)				
4-D11	EU	63T	HALOGENATED HAP SOLVENT	40 CFR Part 63, Subpart T	§ 63.463(a) § 63.463(a)(1)(i) § 63.463(a)(2) § 63.463(a)(3) § 63.463(a)(4) § 63.463(a)(5) § 63.463(a)(6) § 63.463(b)(2) § 63.463(b)(2)(ii) § 63.463(d)(1)(i) § 63.463(d)(10) § 63.463(d)(11) § 63.463(d)(12) § 63.463(d)(3) § 63.463(d)(4) § 63.463(d)(5) § 63.463(d)(6) § 63.463(d)(7) § 63.463(d)(8) § 63.463(d)(9) § 63.463(e)(2)(i) [G]§ 63.463(e)(2)(iii) [G]§ 63.463(e)(2)(iv) [G]§ 63.463(e)(2)(vi) [G]§ 63.463(e)(3) § 63.463(f)(3) § 63.463(f)(4)(i) § 63.463(f)(4)(ii)	Batch vapor and in-line solvent cleaning machines shall conform to the design requirements in §63.463(a)(1)-(7).	[G]§ 63.463(f)(1) § 63.465(a) [G]§ 63.465(e) [G]§ 63.466(c) § 63.466(f) § 63.466(f)(1)	§ 63.467(a) § 63.467(a)(1) § 63.467(a)(2) § 63.467(a)(4) § 63.467(a)(5) § 63.467(b) § 63.467(b)(1) § 63.467(b)(2) § 63.467(b)(3)	[G]§ 63.468(b) § 63.468(d) § 63.468(d)(1) § 63.468(d)(2) § 63.468(d)(3) § 63.468(d)(4) [G]§ 63.468(d)(6) [G]§ 63.468(f) [G]§ 63.468(h) [G]§ 63.468(i)
4-D7	EU	63T	HALOGENATED HAP SOLVENT	40 CFR Part 63, Subpart T	§ 63.463(a) § 63.463(a)(1)(i) § 63.463(a)(2) § 63.463(a)(3) § 63.463(a)(4) § 63.463(a)(5) § 63.463(a)(6)	Batch vapor and in-line solvent cleaning machines shall conform to the design requirements in §63.463(a)(1)-(7).	[G]§ 63.463(f)(1) § 63.465(a) [G]§ 63.465(e) § 63.466(g) **See Alternative Requirements	§ 63.467(a) § 63.467(a)(1) § 63.467(a)(2) § 63.467(a)(4) § 63.467(a)(5) § 63.467(b) § 63.467(b)(1)	[G]§ 63.468(b) § 63.468(d) § 63.468(d)(1) § 63.468(d)(2) § 63.468(d)(3) § 63.468(d)(4) [G]§ 63.468(d)(6)

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.463(b)(2) § 63.463(b)(2)(ii) § 63.463(d)(1)(i) § 63.463(d)(10) § 63.463(d)(11) § 63.463(d)(12) § 63.463(d)(3) § 63.463(d)(4) § 63.463(d)(5) § 63.463(d)(6) § 63.463(d)(7) § 63.463(d)(8) § 63.463(d)(9) [G]§ 63.463(e)(2)(iv) [G]§ 63.463(e)(3) § 63.463(f)(3) § 63.463(f)(4)(i) § 63.463(f)(4)(ii)			§ 63.467(b)(2) § 63.467(b)(3)	[G]§ 63.468(f) [G]§ 63.468(h) [G]§ 63.468(i)
4-D9	EU	63T	HALOGENATED HAP SOLVENT	40 CFR Part 63, Subpart T	§ 63.463(a) § 63.463(a)(1)(i) § 63.463(a)(2) § 63.463(a)(3) § 63.463(a)(4) § 63.463(a)(5) § 63.463(a)(6) § 63.463(b)(2) § 63.463(b)(2)(ii) § 63.463(d)(1)(i) § 63.463(d)(10) § 63.463(d)(11) § 63.463(d)(12) § 63.463(d)(3) § 63.463(d)(4) § 63.463(d)(5) § 63.463(d)(6) § 63.463(d)(7) § 63.463(d)(8)	Batch vapor and in-line solvent cleaning machines shall conform to the design requirements in §63.463(a)(1)-(7).	[G]§ 63.463(f)(1) § 63.465(a) [G]§ 63.465(e) [G]§ 63.466(c) § 63.466(f) § 63.466(f)(1)	§ 63.467(a) § 63.467(a)(1) § 63.467(a)(2) § 63.467(a)(4) § 63.467(a)(5) § 63.467(b) § 63.467(b)(1) § 63.467(b)(2) § 63.467(b)(3)	[G]§ 63.468(b) § 63.468(d) § 63.468(d)(1) § 63.468(d)(2) § 63.468(d)(3) § 63.468(d)(4) [G]§ 63.468(d)(6) [G]§ 63.468(f) [G]§ 63.468(h) [G]§ 63.468(i)

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					§ 63.463(d)(9) § 63.463(e)(2)(i) [G]§ 63.463(e)(2)(iii) [G]§ 63.463(e)(2)(iv) [G]§ 63.463(e)(2)(vi) [G]§ 63.463(e)(3) § 63.463(f)(3) § 63.463(f)(4)(i) § 63.463(f)(4)(ii)				
5H	PRO	R5421-1	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
5H	PRO	R5421-2	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
5H	PRO	R5421-3	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115,	The permit holder shall comply with the applicable monitoring and testing	The permit holder shall comply with the applicable recordkeeping requirements of 30	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115,

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	Surface Coating Operations	requirements of 30 TAC Chapter 115, Surface Coating Operations	TAC Chapter 115, Surface Coating Operations	Surface Coating Operations
5H	PRO	63GG-1	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
5H	PRO	63GG-2	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
5H	PRO	63GG-3G	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
5H	PRO	63GG-3H	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
5I	PRO	R5421-1	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
5I	PRO	R5421-2	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
5I	PRO	R5421-3	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable	The permit holder shall comply with the applicable requirements of 30	The permit holder shall comply with the applicable monitoring and	The permit holder shall comply with the applicable recordkeeping	The permit holder shall comply with the applicable reporting requirements of 30

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	TAC Chapter 115, Surface Coating Operations	testing requirements of 30 TAC Chapter 115, Surface Coating Operations	requirements of 30 TAC Chapter 115, Surface Coating Operations	TAC Chapter 115, Surface Coating Operations
5I	PRO	63GG-1	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
5I	PRO	63GG-2	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
5I	PRO	63GG-3G	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63,	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					Subpart GG				
5I	PRO	63GG-3H	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
9116301	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
9116301	PRO	63GG-3F	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
99C3000	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						(VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).			
99C3000	PRO	63GG-3F	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
BETENGCL1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
CASCDECL2	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None



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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CHEMLINES	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRP4D9	EU	R5412-9	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.412(1) § 115.411(1) § 115.411(2) [G]§ 115.412(1)(A) § 115.412(1)(C) [G]§ 115.412(1)(F)	Cold solvent cleaning. No person shall own or operate a system utilizing a VOC for the cold solvent cleaning of objects without the controls listed in §115.412(1)(A)-(F).	[G]§ 115.415(1) § 115.415(3) ** See Periodic Monitoring Summary	§ 115.416 § 115.416(4) § 115.416(4)(A) § 115.416(4)(B)	None
NITETCH	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
NITETCH	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in §115.121(a)(1) of this title with a concentration of VOC less than 612 parts per million by volume	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
						(ppmv) is exempt from §115.121(a)(1) of this title.			
PATCHTST	EP	R5121-2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) < 100 lbs (45.4 kg) in any continuous 24-hour period is exempt from the requirements of § 115.121(a)(1).	[G]§ 115.125 § 115.126(2) § 115.126(3)(B)	§ 115.126 § 115.126(2) § 115.126(3) § 115.126(3)(B)	None
PATCHTST	PRO	63GG-4	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-134	PRO	63GG-3G	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5A	PRO	R5421-1	VOC	30 TAC Chapter 115, Surface	§ 115.420 The permit holder	The permit holder shall comply with the	The permit holder shall comply with	The permit holder shall comply with the	The permit holder shall comply with the

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Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
				Coating Operations	shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
PRO-5A	PRO	R5421-2	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
PRO-5A	PRO	63GG-1	VHAP	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5A	PRO	63GG-1	VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG

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					specification requirements of 40 CFR Part 63, Subpart GG		40 CFR Part 63, Subpart GG	GG	
PRO-5A	PRO	63GG-1	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5A	PRO	63GG-2	VHAP	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5A	PRO	63GG-2	VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5A	PRO	63GG-2	VHAP/VO	40 CFR Part 63,	§ 63.741(a)	The permit holder	The permit holder	The permit holder	The permit holder

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			C	Subpart GG	The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5A	PRO	63GG-3G	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5A	PRO	63GG-3H	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5B	PRO	R5421-1	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations

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					requirements of 30 TAC Chapter 115, Surface Coating Operations		115, Surface Coating Operations	Operations	
PRO-5B	PRO	R5421-2	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations
PRO-5B	PRO	63GG-1	VHAP	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5B	PRO	63GG-1	VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO-5B	PRO	63GG-1	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5B	PRO	63GG-2	VHAP	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5B	PRO	63GG-2	VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5B	PRO	63GG-2	VHAP/VO C	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG

### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
					specification requirements of 40 CFR Part 63, Subpart GG		40 CFR Part 63, Subpart GG	GG	
PRO-5B	PRO	63GG-3G	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5B	PRO	63GG-3H	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5C	blank	R5421-3	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations



### Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
PRO-5E	PRO	63GG-3F	VHAP/VOC	40 CFR Part 63, Subpart GG	§ 63.741(a) The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable monitoring and testing requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable recordkeeping requirements of 40 CFR Part 63, Subpart GG	The permit holder shall comply with the applicable reporting requirements of 40 CFR Part 63, Subpart GG
PRO-5G	PRO	R5421-3	VOC	30 TAC Chapter 115, Surface Coating Operations	§ 115.420 The permit holder shall comply with the applicable limitation, standard and/or equipment specification requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable monitoring and testing requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable recordkeeping requirements of 30 TAC Chapter 115, Surface Coating Operations	The permit holder shall comply with the applicable reporting requirements of 30 TAC Chapter 115, Surface Coating Operations

**Additional Monitoring Requirements**

**Periodic Monitoring Summary ..... 49**

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 26	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: When necessary repairs of the pipe are not completed prior to refilling the storage vessel.	
<p>Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: 26	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: Maintain records of tank specifications that indicate that the tank meets the criteria outlined in the 'Periodic Monitoring Text' below.	
<p>Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.</p>	

### Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRP4D9	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Degreasing Processes	SOP Index No.: R5412-9
Pollutant: VOC	Main Standard: § 115.412(1)
Monitoring Information	
Indicator: Visual Inspection	
Minimum Frequency: Monthly	
Averaging Period: n/a	
Deviation Limit: Any monitoring data which indicates that the cold cleaner is not in compliance with applicable requirements of 30 TAC 115.412(1)(A)-(F) shall be considered and reported as a deviation.	
Periodic Monitoring Text: Inspect equipment and record data monthly to ensure compliance with any applicable requirements in § 115.412(1)(A)-(F). Any monitoring data which indicates that the cold cleaner is not in compliance with the applicable requirements of § 115.412(1)(A)-(F) shall be considered and reported as a deviation.	

**Permit Shield**

**Permit Shield ..... 53**

### Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
21	N/A	30 TAC Chapter 117, Minor Source Combustion	This unit is a boiler, not a generator, located at a minor source of NOx emissions.
21	N/A	40 CFR Part 60, Subpart Db	Heat Input Capacity < 100 MMBtu/hr
21	N/A	40 CFR Part 60, Subpart Dc	Construction/Modification date was on or before June 9, 1989.
26	N/A	40 CFR Part 60, Subpart Kb	Tank capacity is less than 10,000 gallons.
26	N/A	40 CFR Part 63, Subpart OO	Not subject to another subpart within 40 CFR Part 60, 61, or 63.
CHEMLINES	N/A	40 CFR Part 63, Subpart N	Plant 5 does not own or operate a chromium electroplating or chromium anodizing tank.
CHEMLINES	N/A	40 CFR Part 63, Subpart WWWW	Plant 5 is a major source not an area source as defined by 40 CFR 63.2.
CLNGTWR	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals.
CLNGTWR2	N/A	40 CFR Part 63, Subpart Q	Not operated with chromium-based water treatment chemicals.
PRO-4-DP	N/A	40 CFR Part 63, Subpart GG	Facility is exempt. Depaints 6 or less completed aerospace vehicles in a calendar year.

**New Source Review Authorization References**

<b>New Source Review Authorization References.....</b>	<b>55</b>
<b>New Source Review Authorization References by Emission Unit .....</b>	<b>58</b>



### New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

<b>Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.</b>	
Authorization No.: 3051	Issuance Date: 06/18/2015
<b>Permits By Rule (30 TAC Chapter 106) for the Application Area</b>	
Number: 106.102	Version No./Date: 09/04/2000
Number: 106.183	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 03/14/1997
Number: 106.316	Version No./Date: 09/04/2000
Number: 106.320	Version No./Date: 03/14/1997
Number: 106.371	Version No./Date: 03/14/1997
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.373	Version No./Date: 07/08/1998
Number: 106.375	Version No./Date: 08/04/1998
Number: 106.375	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 03/14/1997
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.434	Version No./Date: 03/14/1997
Number: 106.454	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.532	Version No./Date: 03/14/1997
Number: 106.532	Version No./Date: 09/04/2000
Number: 106.533	Version No./Date: 07/04/2004
Number: 3	Version No./Date: 05/08/1972
Number: 6	Version No./Date: 05/08/1972
Number: 7	Version No./Date: 11/05/1986
Number: 7	Version No./Date: 09/12/1989
Number: 8	Version No./Date: 05/08/1972
Number: 8	Version No./Date: 05/05/1976
Number: 8	Version No./Date: 09/23/1982

### New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 8	Version No./Date: 11/05/1986
Number: 8	Version No./Date: 09/12/1989
Number: 16	Version No./Date: 05/08/1972
Number: 35	Version No./Date: 09/12/1989
Number: 41	Version No./Date: 05/08/1972
Number: 41	Version No./Date: 03/15/1985
Number: 42	Version No./Date: 05/08/1972
Number: 46	Version No./Date: 05/08/1972
Number: 47	Version No./Date: 05/08/1972
Number: 48	Version No./Date: 05/08/1972
Number: 51	Version No./Date: 11/05/1986
Number: 51	Version No./Date: 07/20/1992
Number: 53	Version No./Date: 05/04/1994
Number: 53	Version No./Date: 10/04/1995
Number: 57	Version No./Date: 11/05/1986
Number: 57	Version No./Date: 08/30/1988
Number: 57	Version No./Date: 09/12/1989
Number: 61	Version No./Date: 09/12/1989
Number: 61	Version No./Date: 06/07/1996
Number: 65	Version No./Date: 09/17/1973
Number: 65	Version No./Date: 05/05/1976
Number: 65	Version No./Date: 05/12/1981
Number: 65	Version No./Date: 09/23/1982
Number: 66	Version No./Date: 05/08/1972
Number: 68	Version No./Date: 09/13/1993
Number: 75	Version No./Date: 09/12/1989
Number: 99	Version No./Date: 01/08/1980
Number: 103	Version No./Date: 11/05/1986
Number: 107	Version No./Date: 09/13/1993

### **New Source Review Authorization References**

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Number: 119	Version No./Date: 05/12/1981
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### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
12	MAGNAFLUX/ZYGLO BOOTH	35/09/12/1989
134	PAINT MIX ROOM	3051
13	CASE CELL MANGAFLUX/ZYGLO LINE	106.316/09/04/2000
21	21	7/11/05/1986
23	BOILER 23	106.183/09/04/2000
24	BOILER 24	106.183/09/04/2000
26	METHANOL STORAGE TANK	53/10/04/1995
4-D10	4-D10 DEGREASER	3051
4-D11	4-D11 DEGREASER	3051
4-D7	DEGREASER UNIT-TRANSMISSION ASSEMBLY	3051
4-D9	VAPOR DEGREASER UNIT - NITAL ETCH	3051
5H	CONVEYER PAINT BOOTH H	106.433/09/04/2000
5I	PAINT BOOTH	3051
9116301	CASE WASHER	106.375/09/04/2000
99C3000	CASE CELL FLUSH/CLEAN BOOTH	106.375/09/04/2000
BETENGCL1	AQUEOUS CLEANING MACHINE 1	106.375/09/04/2000
CASCDECL2	AQUEOUS CLEANING MACHINE 2	106.375/09/04/2000
CD	COLD SOLVENT DEGREASERS	106.454/11/01/2001
CHEMLINES	CHEMICAL PROCESS LINES	106.375/09/04/2000

### New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
CLNGTWR2	COOLING TOWER	106.371/09/04/2000
CLNGTWR	COOLING TOWER	106.371/09/04/2000
NITETCH	NITAL CTCH INSPECTION LINE	106.316/09/04/2000
PATCHTST	PATCH TEST/NAPHTHA FLUSH BOOTH	3051
PRO-134	PAINT MIX ROOM	3051
PRO-4-DP	BUILDING FUGITIVES	3051
PRO-5A	CONVEYOR PAINT BOOTH	3051
PRO-5B	ASSEMBLY PAINT BOOTH	3051
PRO-5C	LUBE LOCK BOOTH VENT	3051
PRO-5E	CLEAN BOOTH	3051
PRO-5G	PROCESS 5G	3051
STEDEG	SITEWIDE COLD SOLVENT DEGREASERS	3051

**Alternative Requirement**

**Alternative Requirement..... 61**

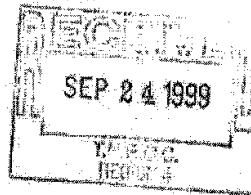
Robert J. Huston, Chairman  
R. B. "Ralph" Marquez, Commissioner  
John M. Baker, Commissioner  
Jeffrey A. Saltas, Executive Director



TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

*Protecting Texas by Reducing and Preventing Pollution*

September 21, 1999



Ms. Dena Moore  
Bell Helicopter Textron Incorporated  
P.O. Box 482  
Fort Worth, Texas 76101

Subject: Alternative Control Strategy Approval for Halogenated Solvent Cleaning Machines  
Subject to Title 40 Code of Federal Regulations Part 63 (40 CFR 63), Section  
63.463(e)(2)(i) at Bell Helicopter Textron Incorporated, Plant 5 (Bell), Grand Prairie,  
Texas Natural Resource Conservation Commission (TNRCC) Account No. TA-  
00514C

Dear Ms. Moore:

This is in response to your request, dated August 23, 1999 and subsequent supporting documents, dated September 8 and September 15, 1999 concerning an alternative control strategy for eight halogenated solvent cleaning machines at the above referenced facility. After a review of your request and information associated with it, we are pleased to inform you that the alternative control strategy that you requested is acceptable to comply with the requirements in 40 CFR 63, Section 63.463(e)(2)(i) provided the conditions as specified in the letter are met.

Bell elected to use applicable idle emission limits as specified in 63.463(b)(1)(ii) or (b)(2)(ii) to comply with 40 CFR 63, Subpart T for the affected halogenated solvent cleaning machines. The halogenated solvent cleaning machines are equipped with both freeboard refrigeration devices and primary condensers. According to 40 CFR 63, Section 63.463(e)(2)(i), the freeboard refrigeration devices are required to be operated with chilled air blanket temperature no greater than 30 percent of the solvent's boiling point as expressed in degrees Fahrenheit (°F) (75°F for perchloroethylene). However, the U. S. Environmental Protection Agency (EPA) indicated in the preamble of the proposed rules, published in the Federal Register on November 29, 1993, that freeboard refrigeration devices and reduced primary condenser temperature controls (maintained at 30 to 40 percent [%] of solvent boiling point, 75°F to 100°F for perchloroethylene) both reduce vaporization losses by cooling the freeboard and have an associated 40% control efficiency under idle and working conditions. EPA further stated that "tests have demonstrated that limited- to-no benefit is obtained by having both techniques employed on the same units."

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000 • Internet address: [www.tnrcc.state.tx.us](http://www.tnrcc.state.tx.us)

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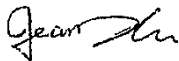
Ms. Dena Moore  
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Bell maintains the primary condenser temperature for the affected halogenated solvent cleaning machines at 80°F or below. Having freeboard refrigeration devices equipped on the affected halogenated solvent cleaning machines results in limited-to-no emission reduction according to EPA's preamble. Therefore, we believe that maintaining primary condenser temperature at 80°F or lower and operating freeboard refrigeration devices with a maximum chiller air blanket temperature of 85°F are equally effective to achieve emission reduction as the control requirements in 40 CFR 63, Section 63.463(e)(2)(i). Bell has also provided emission test results which indicated that the emissions from the affected halogenated solvent cleaning machines were well below the idle emission limit as specified in 40 CFR 63, Section 63.463(b)(1)(ii) and (b)(2)(ii). As authorized by 40 CFR 63, Section 63.463(f)(1)(ii), your request is approved with the following stipulations:

- This alternative strategy approval only applies to the halogenated solvent cleaning machines designated as D1, D2, D3, D4, D5, D6, D7 and D8.
- The temperature of primary condensers for the affected halogenated solvent cleaning machines shall be maintained at 80°F or lower.
- The freeboard refrigeration devices shall be operated to ensure that the chilled air blanket temperature is maintained at 85°F or lower.

Should you have any questions about this letter, please feel free to contact me at the letterhead address, MC-171, or at (512) 239-1823.

Sincerely,



Jean Xu, P.E.  
Engineering Services Team  
Enforcement Division

JXU/db

cc: Ms. Donna Ascenzi, Chief, Air Enforcement Branch, U. S. Environmental Protection Agency, Region 6, Dallas



Ms. Dena Moore  
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September 21, 1999

bcc: Board, File

Mr. Jeffrey P. Greif, Supervisor, Engineering Services Team, Enforcement Division  
Mr. Richard L. Hughes, P.E., Engineering Services Team, Enforcement Division  
Mr. Jaret Wessel, Arlington Regional Office, TNRCC  
Compliance File

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## Appendix A

Acronym List .....	65
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## Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM	actual cubic feet per minute
AMOC	alternate means of control
ARP	Acid Rain Program
ASTM	American Society of Testing and Materials
B/PA	Beaumont/Port Arthur (nonattainment area)
CAM	Compliance Assurance Monitoring
CD	control device
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
COMS	continuous opacity monitoring system
CVS	closed vent system
D/FW	Dallas/Fort Worth (nonattainment area)
EP	emission point
EPA	U.S. Environmental Protection Agency
EU	emission unit
FCAA Amendments	Federal Clean Air Act Amendments
FOP	federal operating permit
gr/100 scf	grains per 100 standard cubic feet
HAP	hazardous air pollutant
H/G/B	Houston/Galveston/Brazoria (nonattainment area)
H <sub>2</sub> S	hydrogen sulfide
ID No.	identification number
lb/hr	pound(s) per hour
MACT	Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr	Million British thermal units per hour
NA	nonattainment
N/A	not applicable
NADB	National Allowance Data Base
NESHAP	National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO <sub>x</sub>	nitrogen oxides
NSPS	New Source Performance Standard (40 CFR Part 60)
NSR	New Source Review
ORIS	Office of Regulatory Information Systems
Pb	lead
PBR	Permit By Rule
PEMS	predictive emissions monitoring system
PM	particulate matter
ppmv	parts per million by volume
PRO	process unit
PSD	prevention of significant deterioration
psia	pounds per square inch absolute
SIP	state implementation plan
SO <sub>2</sub>	sulfur dioxide
TCEQ	Texas Commission on Environmental Quality
TSP	total suspended particulate
TVP	true vapor pressure
U.S.C.	United States Code
VOC	volatile organic compound